



**Fermilab**  
ES&H Section

## INDUSTRIAL HYGIENE PROCEDURES

### **BULK SAMPLING FOR ASBESTOS CONTAINING MATERIALS**

November 9, 1994

#### **OBJECTIVE**

To provide required procedures when obtaining bulk samples of potentially asbestos containing material. Samples are usually taken by A-Team members. The attached form is used to request A-Team assistance.

#### **EQUIPMENT**

- Zip lock bags or other air tight containers
- Spray bottles with water with soap added ("amended" water)
- Plastic drop cloths
- Coring tool or knife
- Duct tape or Encapsulant
- Premoistened Disposable Cloths
- HEPA Vacuum (if needed)
- Camera
- IH Sampling Notes Form or enter directly into Asbestos Database using A-Team Powerbook Program
- Indelible Ink Pen
- Asbestos Disposal Bag

- Disposable coveralls, full facepiece respirator with HEPA filters
- Sample location and identification labels (available from the ES&H Section)

## **PROCEDURES**

1. Prepare a diagram of the area where the sample is to be taken. Mark the location of the sample. Indicate on the form the type of material sampled.
2. If necessary, to preclude contamination of the floor, spread a plastic drop cloth under the sample area and set up other necessary equipment (ladder, etc.).
3. If needed, put on protective equipment.
4. Label the sample container with the sample ID#.
5. Obtain the sample from a damaged area if possible. Moisten the area where the sample is to be extracted with the water. Extract the sample using a clean cutting tool. Be sure to penetrate all layers of the material.
6. Place sample in container and seal the container.
7. Wipe the exterior of the container with the wet wipe.
8. Clean all tools and equipment with a wet wipe and, if necessary, wet mop or vacuum to clean debris.
9. Fill hole with caulking compound, duct tape, spackling, and/or spray with an encapsulant.
10. Take a picture of the area sampled. .
12. Place interim notice label on the material sampled.
13. Collect protective clothing, wet wipes, drop cloth, etc., in a 6 mil asbestos disposal bag. Disposal bag must be removed from the area and stored until results are received.
14. When results are received, if positive fill out Waste Pick-Up Request Form and submit to the ES&H Group Waste Coordinator for pickup. If the results are negative, transfer the material from asbestos disposal bag to a common trash bag and dispose of as regular trash.
15. When results are received, place an appropriate label on the material sampled.

